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Research on Applications of Electromagnetic Energy Systems

Guest Editors:

Message from the Guest Editors

Prof. Dr. Mario J. Pinheiro

Dear Colleagues,

Prof. Dr. Jianjun Wu

Maxwell's fundamental equations generally accurately

Prof. Dr. Paulo Manuel de Araújo Sá

not always used in a proper manner. They have the capacity to lessen environmental pollution and advance the economy and the progress of society during an energy transition, and continue to inspire new and innovative

describe the electromagnetic field, and although they are

applications in a wide range of fields.

Dr. Takaaki Musha

The following are only several of the major topics that this Special Issue plans to cover:

Deadline for manuscript

- Physics of plasma thrusters;
- Electromagnetic propulsion systems:
- Measurement, instrumentation and sensors of electromagnetic energy:
- Novel power systems;
- Quantum vacuum energy transfers to use for propulsion;
- Advanced modeling approaches using electromagnetic energy;
- Novel applications of electromagnetic energy and forces:
- Magnetic levitation, control the flow of fluids, terahertz imaging cloaking devices, ultra-highspeed data transmission;
- Applications of novel materials to generate and control electromagnetic fields.

submissions: 20 June 2024











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Editor-in-Chief

Prof. Dr. Giulio Nicola CerulloDipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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